| **Project Name: Project 1: Voting System Team# 9** | |
| --- | --- |
| **Test Stage: Unit** | **Test Date: 03/26/2021** |
| **Test Case ID#: testRunIR()** | **Name(s) of Testers: Isaac** |
| **Test Description:**  This will test the initialization of the EventLogger in the IR class. We are creating a new EventLogger object to compare with the EventLogger that is created in the IR instance. This will only test for simple member variables that aren't arrays (int, string) |  |
| **Automated: Yes** | **Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  The tests are stored in IRTest.java. The methods tested are: initLog() IR() constructor |
| **Results: Pass** |  |
|  |  |
| **Preconditions for Test:** Must have test files within the same directory of IRTest.java, because IRTest will use test election csv files to test the output of each method and the election. | |

| **Step**  **#** | **Test Step**  **Description** | **Test**  **Data** | **Expected**  **Result** | **Actual**  **Result** | **Notes** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| 1 | create an EventLogger to compare with the IR’s event log. Compares the two logs’ types | String[] names = {"Billy", "Sandra"};  char[] parties = {'D','I'};  static File testFile1 = new File("src/votecountsystem/irTest.csv");  static File testFile2 = new File("src/votecountsystem/irTestFile1.csv");  static File testFile3 = new File("src/votecountsystem/irtest.csv");  static File testFile4 = new File("src/votecountsystem/irTie.csv"); | “IR” | “IR” |  |
| 2 | Compare the two logs’ number of candidates | String[] names = {"Billy", "Sandra"};  char[] parties = {'D','I'};  static File testFile1 = new File("src/votecountsystem/irTest.csv");  static File testFile2 = new File("src/votecountsystem/irTestFile1.csv");  static File testFile3 = new File("src/votecountsystem/irtest.csv");  static File testFile4 = new File("src/votecountsystem/irTie.csv"); | 2 | 2 |  |
| 3 | Compare the two logs’ number of ballots | String[] names = {"Billy", "Sandra"};  char[] parties = {'D','I'};  static File testFile1 = new File("src/votecountsystem/irTest.csv");  static File testFile2 = new File("src/votecountsystem/irTestFile1.csv");  static File testFile3 = new File("src/votecountsystem/irtest.csv");  static File testFile4 = new File("src/votecountsystem/irTie.csv"); | 0 | 0 | Both logs are initialized to have 0 ballots in them |

**Post condition(s) for Test:**

The IR object will have an event log with the correct values using the initLog() method.

